

What is claimed is:

1. A pixel signal correction method for correcting pixel signals output from a solid-state detector which detects visible light or radiation and obtains pixel signals each representing a signal value of each pixel,

wherein said correction is made so that, when light or radiation at which one of the output pixel signals is at the saturation level is projected onto said solid-state detector, all the pixel signals are a maximum value which can be taken as the signal value.

2. A pixel signal correction method for correcting pixel signals output from a solid-state detector which detects visible light or radiation and obtains pixel signals each representing a signal value of each pixel,

wherein the greatest pixel signal value of the pixel signals when light or radiation, at which any one of the pixel signals of said detector is at a level lower than the saturation level, is projected onto said solid-state detector is determined, and

for each of said pixel signals, said correction is made so that the signal value exceeds said greatest signal value.

3. A pixel signal correction device which corrects pixel signals output from a solid-state detector which detects visible light or radiation and obtains pixel signals each representing a signal value of each pixel comprising:

irradiating means which irradiates said solid-state detector with light or radiation at which one of the pixel signals

of said detector is at the saturation level; and

correcting means which makes said correction so that all
the pixel signal values in the state where light or irradiation
is provided at which any one of said pixel signals reaches the
5 saturated level, are a maximum which can be taken as the signal
value.

4. A pixel signal correction device which corrects pixel
signals output from a solid-state detector which detects visible
light or radiation and obtains pixel signals each representing
a signal value of each pixel comprising:

irradiating means which irradiates said solid-state
detector with light or radiation at which any one of the pixel
signals is at a level lower than the saturation level; and

correcting means which determines the greatest pixel signal
value in the state where light or irradiation is provided at
a level lower than said saturation level, and for each of the
pixel signals, said correction is made so that the signal value
exceeds said greatest signal value.

5. A pixel signal correction device as defined in Claim 3
or 4 wherein said solid-state detector comprises a first
electrode layer, a photoconductive recording layer which shows
conductivity upon its exposure to recording light, a
photoconductive read-out layer which shows conductivity upon
its exposure to reading light, and a second electrode layer
provided with a stripe electrode consisting of a number of linear
electrodes.

662217-41624160

6 . A pixel signal correction device as defined in Claim 3
or 4 wherein said solid-state detector comprises a first
electrode layer provided with a first stripe electrode
consisting of a number of linear electrodes, a photoconductive
recording layer which shows conductivity upon its exposure to
recording light, an electric storing portion for storing
electric charges generated in said photoconductive recording
layer, a photocurrentive pre-exposure layer which shows
conductivity upon its exposure to pre-exposure irradiation for
uniformly charging said storing portion, and a second electrode
layer provided with a second stripe electrode consisting of a
number of linear electrodes arranged to cross with said linear
electrodes of said first stripe electrode, said layers and
portion being disposed in the above order.

7. A pixel signal correction device as defined in Claim 3
or 4 wherein said solid-state detector comprises a first
electrode layer provided with a first stripe electrode
consisting of a number of linear electrodes, a photoconductive
recording layer which shows conductivity upon its exposure to
pre-exposure light and recording light, an electric storing
portion for storing electric charges generated in said
photoconductive recording layer, a dielectric layer, and a
second electrode layer provided with a second stripe electrode
consisting of a number of linear electrodes arranged to cross
with said linear electrodes of said first stripe electrode, said
layers and portion being disposed in the above order.

00000000000000000000000000000000

8. A pixel signal correction device as defined in Claim 3 or 4 wherein said solid-state detector comprises a first electrode layer provided with a first stripe electrode consisting of a number of linear electrodes, a photoconductive recording layer which shows conductivity upon its exposure to recording light, an electric storing portion for storing electric charges generated in said photoconductive recording layer, a rectifying layer, and a second electrode layer provided with a second stripe electrode consisting of a number of linear electrodes arranged to cross with said linear electrodes of said first stripe electrode, said layers and portion being disposed in the above order.

9. A solid-state detector which detects visible light or radiation and obtains pixel signals each representing a signal value of each pixel comprising:

correcting means which corrects the pixel signal output from said detector so that all the pixel signal values when light or radiation, at which one of the pixel signals is at the saturation level, is projected on said detector, are a maximum which can be taken as the signal value.

10. A solid-state detector which detects visible light or radiation and obtains pixel signals each representing a signal value of each pixel comprising:

correcting means which determines the greatest pixel signal value when light or radiation at which any one of the pixel signals of said detecting elements is at a level lower than the

saturation level is projected on said detector, and corrects the pixel signals output from said detector so that the signal value of each of the pixel signals exceeds said greatest signal value.

05472954 12332954